

Crystal and Molecular Structure of Acylalmino Derivatives of 1-(2,4,6-Trichlorophenyl)-- ,5-dihydropyrazol-5-one

Kataeva O., Litvinov I., Krivolapov D., Lodochnikova O., Abdel-Hafez S., Movchan A., Chmutova G.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The structure of acylamino derivatives of 1-(2,4,6-trichlorophenyl)-4,5- dihydropyrazol-5-one was studied by X-ray diffraction. 3-Acetylamino-1- (2,4,6-trichlorophenyl)-4,5-dihydropyrazol-5-one and 3-benz-oylamino-1-(2,4,6- trichlorophenyl)-4,5-dihydropyrazol-5-one exist in crystal as CH tautomers. The nature and number of acylamino groups were found to affect the nature of intermolecular hydrogen bonds in the crystals studied.

<http://dx.doi.org/10.1023/A:1026195122027>
